

## ABSTRACT OF THE DISCLOSURE

A no-lead electrical module for illuminating lamps in shoes and other clothing or accessories, such as backpacks, includes a circuit board having a number of conductor  
5 tracks and a battery having plates of opposite polarity on its opposite sides. A metal spring clamp mechanically holds the battery against the circuit board and also makes contact with one side of the battery and a conductor track on the circuit board. Another metal spring clamp makes contact with the opposite side of the battery and another conductor track. A switch has two terminals secured to conductor tracks on the circuit  
10 board by means of two spring clamps. Other components are secured to conductor traces or tracks with spring clamps. A double-stranded wire carrying a lamp is secured to contacts on the circuit board by additional spring clamps. The module is encapsulated in a potting compound. In a second embodiment, all or part of the spring clamps are held to the circuit board with a non-conductive resilient pad overlying the  
15 circuit board and clamped to the various electrical leads on the circuit board by means of a hard, non-flexible board with screws passing through the board and the circuit board to force the leads against their conductor traces. A third embodiment uses no circuit board but employs the same types of non-lead connecting devices described above.